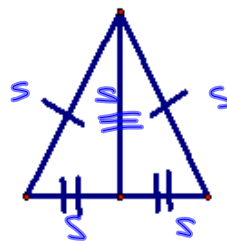
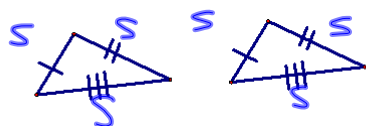


5-2

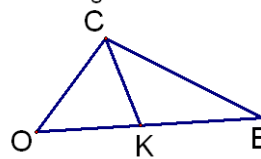
Postulate 12 SSS (Side-Side-Side) Postulate—If 3 sides of one  $\triangle$  are  $\cong$  to 3 sides of a 2<sup>nd</sup>  $\triangle$ , then the 2  $\triangle$ s are  $\cong$ .



Postulate 13 SAS (Side-Angle-Side) Postulate—If 2 sides and the included angle of 1  $\triangle$  are  $\cong$  to 2 sides and the included angle of a 2<sup>nd</sup>  $\triangle$ , then the 2  $\triangle$ s are  $\cong$ .



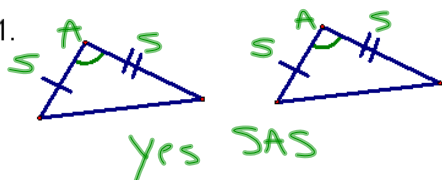
Name the included angle between the given sides.



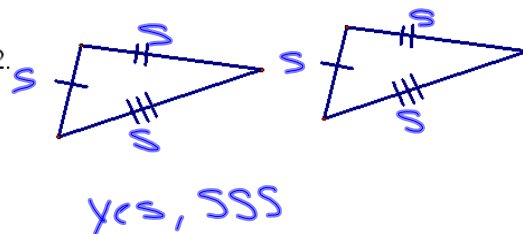
$CO \cong OK$      $\angle O$  ( $\angle COK$ )  
 $CK \cong KE$      $\angle KCE$      $CK + KE \cong CE$      $\angle CKE$   
 $OK \cong KC$      $\angle KCE$      $OE \cong EC$      $\angle E$

Are the following triangles congruent?  
If so, then why?

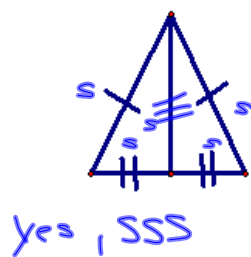
1.



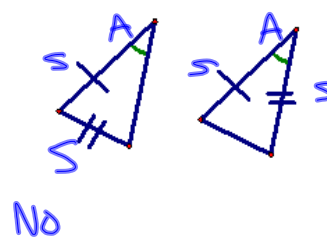
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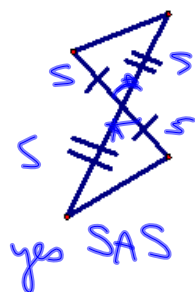
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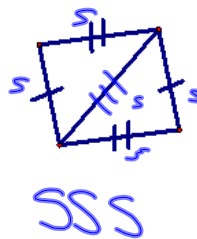
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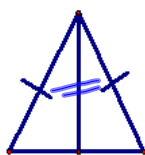
5.



6.

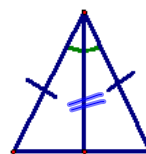


7.



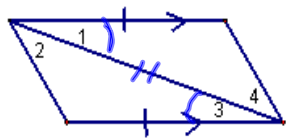
No

8.



yes, SAS

9.



yes. SAS